



**Department of Transportation Environmental Conference**  
**Biofuel Demonstration Project Presentation**

**Washington, DC**

**Ron Duckhorn**

**President, Blue & Gold Fleet**

**January 29 & 30, 2002**

# **Blue & Gold Fleet San Francisco Bay Area Presentation Agenda**

- **Services & Vessels**
- **Clean Fuel Demonstration Projects**
- **Why Biofuel?**
- **Cooperative Agreement & Results**



# Services & Vessels

- **Commute Services**

- **Tiburon to/from San Francisco**



- **Vallejo to/from San Francisco**



- **Alameda & Oakland to/from San Francisco**

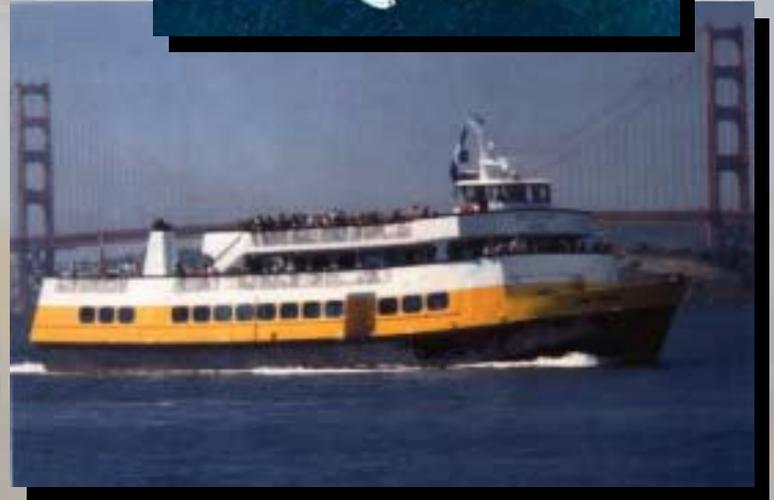


## San Francisco Bay Area Map



# Services & Vessels (cont.)

- **Excursion Services**
  - **Alcatraz Island**
  - **Angel Island**
  - **Sausalito & Tiburon**
  - **San Francisco Bay Cruise**
  - **Evening Charter Parties**
  - **Pacific Bell Park**





# Blue & Gold Fleet Clean Fuel Demonstration Projects

- **Low Sulfur Fuel**
- **Carl Moyer Repowering Program**
- **Continuous Water Injection**
- **MARAD/WTA Biofuel Demo Project**

The U.S. Department of Energy's National Biofuels Program



# Why Biofuel?



- **Environmental Considerations**
- **Energy Security Considerations**
- **Domestic Economic Considerations**
- **Domestic Legislation Considerations**
- **Customer/Business Considerations**

# Cooperative Agreement and Results

- **Between MARAD, WTA and Blue & Gold Fleet**
- **\$25,000 MARAD Grant Funded through WTA**
- **Blue & Gold Fleet provided additional \$60,000**
- **Biofuel from 5% to 100%**
- **Combined with CWI to reduce NOx**
- **Oversight by UC Berkeley & Engineering Firm**
- **MV OSKI as Platform**
- **Results**

